In cases where the monitored signal is not already in digital form, the apparatus can advantageously include analogue/digital conversion means for operating on the signal produced by the aforesaid means for monitoring the telecommunications signals.

It should also be appreciated that the present invention can comprise means for achieving passive monitoring of a telecommunications network or call-centre 10 etc.

The means for identifying the at least predetermined parameter advantageously includes a Digital Signal Processor which can be arranged to operate accordance with any appropriate algorithm. Preferably, the signal processing required by the means for identifying the at least one parameter can advantageously be arranged to be provided by spare capacity arising in the Digital Signal Processors found within the apparatus and primarily arranged 20 for controlling the monitoring, compression and/or recording of signals.

As mentioned above, the particular parameters arranged to be identified by the apparatus can be selected from those that are considered appropriate to the requirements of, for example, the call-centre provider.

However, for further illustration, the following is a non-exhaustive list of parameters that could be identified in accordance with the present invention and assuming that the telecommunications traffic concerned comprises a

plurality of two-way telephone interactions such as conversations:

non-voice elements within predominantly voicerelated interactions for example dialling, Interactive Voice Response Systems, and recorded speech such as interactive voice response prompts, computer synthesized speech or background noise such as line noise; the relationship between transmissions in each 10 direction, for example the delay occurring, or the overlap between, transmissions in opposite directions; the amplitude envelope of the signals, so as to determine caller anger or episodes of shouting; the frequency spectrum of the signal in various frequency bands; advanced parameters characterizing the actual speaker which may advantageously be used in speech 20 authentication; measures of the speed of interaction, for example for determining the ratio of word to inter-word pauses; the language used by the speaker(s); the sex of the speaker(s); 25 the presence or absence of particular words, for example word spotting using advanced speech

recognition techniques;

utterances in the conversation;

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the frequency and content of prosody including

pauses, repetitions, stutters and nonsensical

the terminal number, i.e. the telephone number, of the operative and/or the caller.

The aforementioned identification can also be achieved 5 by way of data and/or speech recognition.

It should also be appreciated that the present invention can include means for providing an output indicative of the required identification of the at least one predetermined parameter. Such output can be arranged to drive audio and/or visual output means so that the call-centre provider can readily identify that a particular parameter has been identified and in which particular conversation the parameter has occurred. Alternatively, or in addition, the occurrence of the parameter can be recorded, on any appropriate medium for later analysis.

Of course, the mere single occurrence of a parameter need not establish an output from such output means and the apparatus can be arranged such that an output is only provided once a decision rule associated with such parameter(s) has been satisfied. Such a decision rule can be arranged such that it depends on present and/or past values of the parameter under consideration and/or other parameters.

Further, once a particular conversation has been identified as exhibiting a particular predetermined parameter, or satisfying a decision rule associated with 30 such parameters, the apparatus can be arranged to allow ready access to the telecommunications "line" upon which the